

guide devices and a groove with one guide device of said plurality of guide devices being fixed relative to said cutting tool and remaining guide devices of said plurality of guide devices being movable relative to said cutting tool, so that when said carrier is moved said plurality of guide devices enter the groove with an interaction between the groove and the plurality of guide devices causing said carrier to adopt and follow said transverse, predetermined variable path.

B.7
Cont

23. The woodworking tool according to Claim 22, wherein said plurality of guide devices comprise upwardly directed members for permitting the groove to pass thereover with minimum resistance.

24. The woodworking tool according to Claim 22, wherein said plurality of guide devices have an outer sleeve located on an inner post with bearings, said outer sleeve being rotatable relative to said inner post.

25. The woodworking tool according to Claim 22, wherein said plurality of guide devices are spaced apart from one another depending upon a radius of curvature being cut from the workpiece material.

26. The woodworking tool according to Claim 22, wherein said carrier comprises:

a body member on which the workpiece material to be cut is locatable; and,

means for clamping said body member for retraining the workpiece material against movement relative to said carrier.

27. The woodworking tool according to Claim 26, wherein said means for clamping include a beam transversely movable relative to said body member of said carrier for causing movement of the workpiece material to be cut.

28. The woodworking tool according to Claim 27, further comprising a stop member with said beam causing the workpiece material to be cut to be moved in a parallel manner until the workpiece material contacts said stop member.

29. The woodworking tool according to Claim 22, wherein an edge of said carrier directed toward said cutting tool is shaped to have a same shape as that of a required cut of the workpiece material, so that the workpiece material being cut is closely supported to a position of the required cut being made.

30. The woodworking tool according to Claim 22, wherein said woodworking tool is a band saw.

31. The woodworking tool according to Claim 22, wherein said woodworking tool is a routers planner.

32. The woodworking tool according to Claim 22, wherein said woodworking tool is a sander.

33. A method for forming, or working, complex shapes of

wood or similar workpiece materials, comprising the steps of:
mounting a workpiece material onto a carrier, the carrier having a groove in an underside thereof, the groove having a shape of a desired cut to be performed on the workpiece material; and,

associating the carrier with guide means so that upon movement of the carrier, the carrier and the guide means cause operation of a cutting tool, the guide means cooperating with the groove of the carrier for causing transverse movement of the carrier and operation of the cutting tool on the workpiece material for obtaining the desired cut of the workpiece material.

34. The method for forming, or working, complex shapes of wood or similar workpiece materials according to Claim 33, wherein the cutting tool is a bandsaw and the workpiece material on the carrier is cut by the bandsaw to a shape corresponding to a shape of the guide means.

35. The method for forming, or working, complex shapes of wood or similar workpiece materials according to Claim 33, wherein a side of the carrier adjacent a blade of the cutting tool has a shape as required for the desired cut of the workpiece material, so that the workpiece material before cutting is supported adjacent a point of cut.

36. The method for forming, or working, complex shapes of wood or similar workpiece materials according to Claim 33,

B7
Concluded

wherein clamp means are associated with the carrier, the clamp means permitting movement of the workpiece material transversely of the carrier, so that a number of cuts can be made from a single workpiece material.

37. The method for forming, or working, complex shapes of wood or similar workpiece materials according to Claim 36, wherein the clamp means are associated with a beam transversely movable relative to a longitudinal axis of the carrier, thereby permitting the workpiece material to be located at required positions for multiple cuts.--

REMARKS

Reconsideration and withdrawal of the rejection and the allowance of all claims now pending in the above-identified patent application (i.e., Claims 22-37) are respectfully requested in view of the foregoing amendments and the following remarks.

At the outset, it should be recalled that the presently claimed invention provides a woodworking tool, which includes a base with a cutting tool fixed relative to the base and a movable carrier for carrying a workpiece material, such as a piece of wood. The invention further includes means for guiding the carrier passed the cutting tool on a transverse, predetermined variable path, so that the workpiece material carried by the carrier is able to be reproducibly cut to size.